

Explanation of the 2010 Urban Area to New England County and Town Area Relationship File:

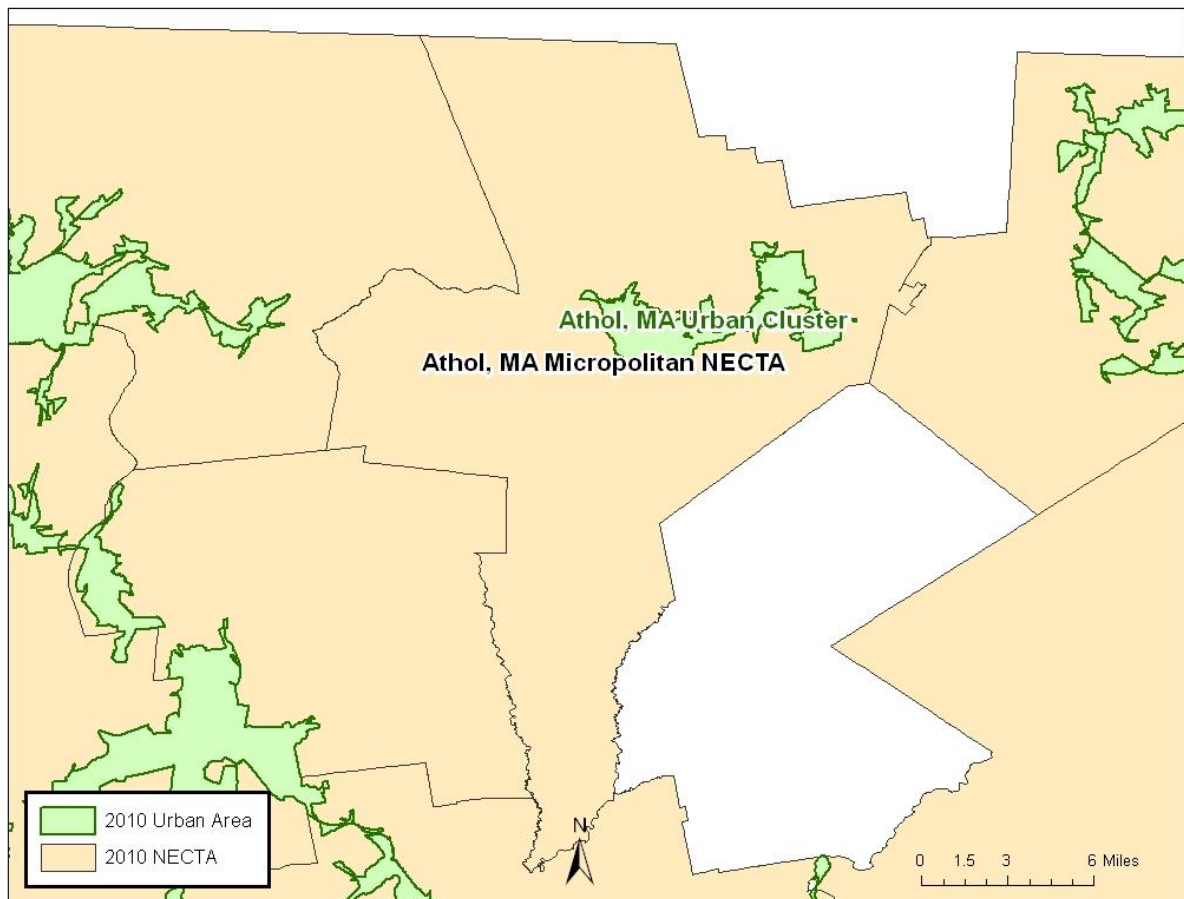
The 2010 Urban Area to New England County and Town Area (NECTA) Relationship File provides relationships between the 2010 urban areas and the NECTAs. Urban areas include both urbanized areas (UA) and urban clusters (UC), and areas outside urban areas are considered rural. This list can be utilized to see if a NECTA is urban, rural, or contains both urban and rural area. Each record in the relationship file represents one polygon that is formed when the 2010 urban area overlay the NECTAs. The polygon may represent the intersection of a 2010 urban areas and a NECTA, or the portion of the NECTA that does not contain a 2010 urban area. In addition, since NECTAs are not a wall-to-wall coverage across the U.S., the polygon may represent the area of a 2010 urban area that does not intersect a NECTA. It is important to note that all population and housing unit figures given in the file are from the 2010 Census population count. Also, note that only New England states are included in the file: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Explanation of Urban Area to NECTA Relationship File: Example 1

This example describes when a NECTA only contains one urban area and that urban area falls wholly within the NECTA. In this example, the Athol, MA UC is in green below and falls wholly within the Athol, MA Micropolitan NECTA, which is outlined in black. There is only one record for the Athol, MA UC (Value 1). The 2010 population for this relationship record is 12,834 (POPPT) and is equal to the 2010 population of 12,834 for Athol, MA UC (UAPOP). Likewise, the 2010 housing unit count for both the relationship record (HUPT) and the urban area (UAHU) is 5,927. Therefore, the percentage of the total population of the Athol, MA UC represented by the relationship record is 100 (UAPOPPCT). Although the Athol, MA UC falls entirely within the Athol, MA Micropolitan NECTA, the Athol, MA Micropolitan NECTA is bigger than the urban area. Since no other urban areas fall within the Athol, MA Micropolitan NECTA, there is only one additional record in the relationship file for the NECTA. Value 2 represents the area of the Athol, MA Micropolitan NECTA that falls outside of the Athol, MA UC and is designated with the name 'Not in a 2010 urban area' (UANAME). The 2010 population living in the portion of the Athol, MA Micropolitan NECTA outside of any urban area is 9,207 (POPPT) and represents 41.77% of the total population living in the Athol, MA Micropolitan NECTA (NPOPPCT). These numbers also represent the rural population in the NECTA.

Field	Value 1	Value 2
UA	03790	99999
UANAME	Athol, MA Urban Cluster	Not in a 2010 urban area
NECTA	70450	70450
NNAME	Athol, MA Micropolitan NECTA	Athol, MA Micropolitan NECTA
MEMI	2	2
POPPT	12834	9207
HUPT	5927	4224
AREAPT	25277894	487294512
AREALANDPT	24217774	445434739

Field	Value 1	Value 2
UAPOP	12834	
UAHU	5927	
UAAREA	25277894	
UAAREALAND	24217774	
NPOP	22041	22041
NHU	10151	10151
NAREA	512572406	512572406
NAREALAND	469652513	469652513
UAPOPPCT	100	
UAHUPCT	100	
UAAREAPCT	100	
UAAREALANDPCT	100	
NPOPPCT	58.23	41.77
NHUPCT	58.39	41.61
NAREAPCT	4.93	95.07
NAREALANDPCT	5.16	94.84



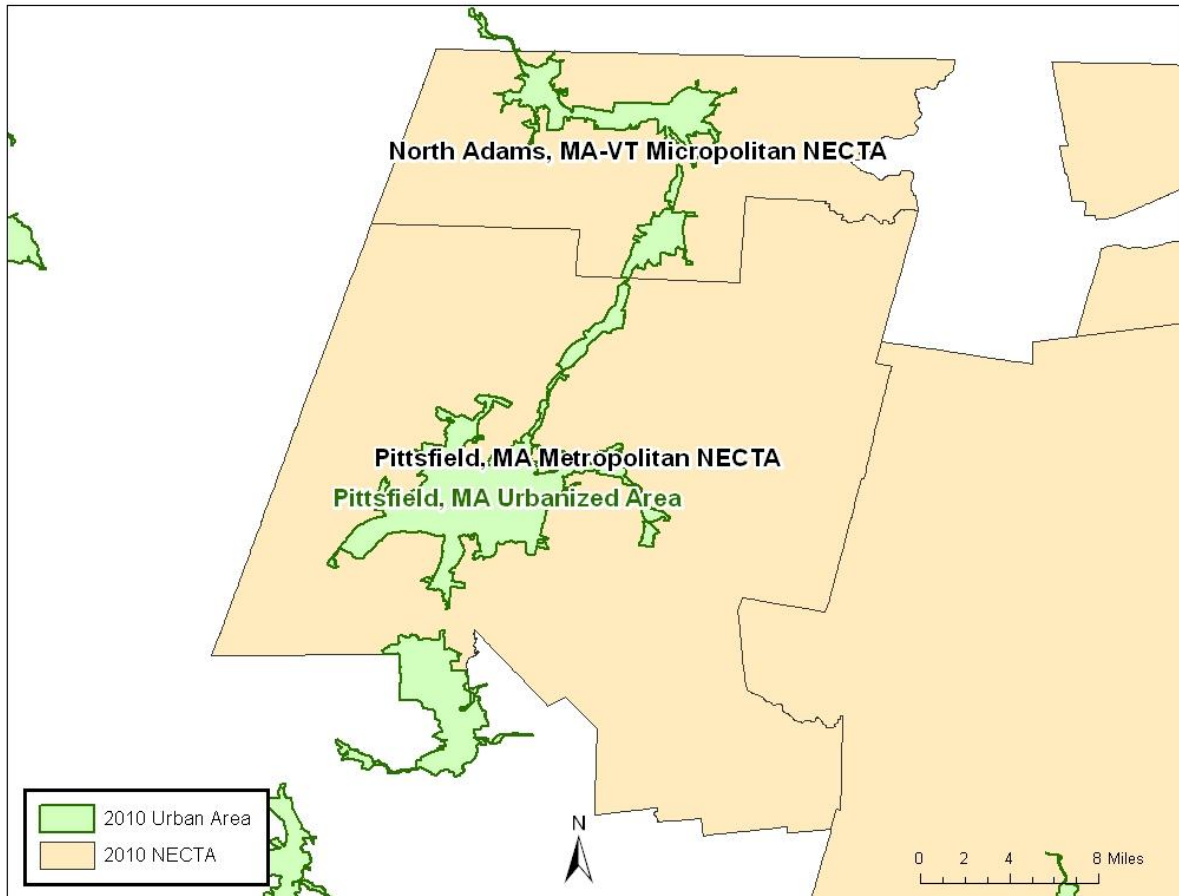
Explanation of Urban Area to NECTA Relationship File: Example 2

This example describes when a 2010 urban area falls into more than one NECTA. In this example, the Pittsfield, MA UA is in green below and falls in two NECTAs: North Adams, MA-VT Micropolitan NECTA and Pittsfield, MA Metropolitan NECTA, which are outlined in black. The first record describes the relationship between the Pittsfield, MA UA and North Adams, MA-VT Micropolitan NECTA. The 2010 population living within the Pittsfield, MA UA is 59,124 (UAPOP) but only 7,577 (POPPT) also live within North Adams, MA-VT Micropolitan NECTA. This represents 12.82% (UAPOPPCT) of the total population for the Pittsfield, MA UA. Furthermore, out of the total population living within the North Adams, MA-VT Micropolitan NECTA, only 22.72% (NPOPPCT) also live within the Pittsfield, MA UA. The second record describes the relationship between the Pittsfield, MA UA and the Pittsfield, MA Metropolitan NECTA. The 2010 population living in the Pittsfield, MA UA and in the Pittsfield, MA Metropolitan NECTA is 51,547 (POPPT) and represents 87.18% (UAPOPPCT) of the total population in the Pittsfield, MA UA. Furthermore, 71.54% (NPOPPCT) of the total population in Pittsfield, MA Metropolitan NECTA also lives in the Pittsfield, MA UA.

Both NECTAs contain additional urban areas and area outside of a 2010 urban area. Therefore, there are additional records in the relationship file for the NECTAs that are not shown below.

Field	Value 1	Value 2
UA	69778	69778
UENAME	Pittsfield, MA Urbanized Area	Pittsfield, MA Urbanized Area
NECTA	76150	76600
NNAME	North Adams, MA-VT Micropolitan NECTA	Pittsfield, MA Metropolitan NECTA
MEMI	2	1
POPPT	7577	51547
HUPT	3981	24530
AREAPT	10108605	81440086
AREALANDPT	10000974	76765417
UAPOP	59124	59124
UAHU	28511	28511
UAAREA	91548691	91548691
UAAREALAND	86766391	86766391
NPOP	33346	72051
NHU	15755	36389
NAREA	461669214	1079591057
NAREALAND	459033564	1057934621
UAPOPPCT	12.82	87.18
UAHUPCT	13.96	86.04
UAAREAPCT	11.04	88.96

Field	Value 1	Value 2
UAAREALANDPCT	11.53	88.47
NPOPPCT	22.72	71.54
NHUPCT	25.27	67.41
NAREAPCT	2.19	7.54
NAREALANDPCT	2.18	7.26



Explanation of Urban Area to NECTA Relationship File: Example 3

This example describes when a NECTA contains more than one urban area. In this example, North Adams, MA-VT Micropolitan NECTA contains two urban areas: Pittsfield, MA UA (Value 1) and North Adams, MA-VT UC (Value 2). In addition, there is a third record in the relationship file representing portions of the NECTA not in a 2010 urban area (Value 3). The urban areas are shown in green below and the North Adams, MA-VT Micropolitan NECTA is outlined in black. In the first record, the Pittsfield, MA UA falls partially within the North Adams, MA-VT Micropolitan NECTA. The 2010 population for the Pittsfield, MA UA is 59,124 (UAPOP) but only 7,577 live within the North Adams, MA-VT Micropolitan NECTA as well. Conversely, the total population for the North Adams, MA-VT Micropolitan NECTA is 33,346 (NPOP) and 22.72% (NPOPPCT) of the population living within the North Adams, MA-VT Micropolitan NECTA also live within the Pittsfield, MA UA. In the second record, the North Adams, MA-VT UC also falls partially within the North Adams, MA-VT Micropolitan NECTA. The 2010 population for the North Adams, MA-VT UC is 18,470 (UAPOP) while the 2010 population for the polygon represented by this record is 18,018 (POPPT). In addition, 54.19% (NPOPPCT) living within North Adams, MA-VT Micropolitan NECTA also live within the North Adams, MA-VT UC. The third record represents the area not covered by a 2010 urban area and, therefore, represents the rural population. The 2010 population that is considered rural in North Adams, MA-VT Micropolitan NECTA is 7,751 (POPPT) and represents 23.24% (NPOPPCT) of the total population in North Adams, MA-VT Micropolitan NECTA.

Field	Value 1	Value 2	Value 3
UA	69778	63460	99999
UATYPE	Pittsfield, MA Urbanized Area	North Adams, MA-VT Urban Cluster	Not in a 2010 urban area
NECTA	76150	76150	76150
NNAME	North Adams, MA-VT Micropolitan NECTA	North Adams, MA-VT Micropolitan NECTA	North Adams, MA-VT Micropolitan NECTA
MEMI	2	2	2
POPPT	7577	18018	7751
HUPT	3981	8015	3759
AREAPT	10108605	24826553	426734056
AREALANDPT	10000974	24406954	424625636
UAPOP	59124	18470	
UAHU	28511	8202	
UAAREA	91548691	25806859	
UAAREALAND	86766391	25387260	
NPOP	33346	33346	33346
NHU	15755	15755	15755
NAREA	461669214	461669214	461669214
NAREALAND	459033564	459033564	459033564
UAPOPPCT	12.82	97.55	
UAHUPCT	13.96	97.72	

Field	Value 1	Value 2	Value 3
UAAREAPCT	11.04	96.2	
UAAREALANDPCT	11.53	96.14	
NPOPPCT	22.72	54.09	23.24
NHUPCT	25.27	50.87	23.86
NAREAPCT	2.19	5.38	92.43
NAREALANDPCT	2.18	5.32	92.5

